CCR No. 98-0554	Logged Date 5-14-98	Rev. —	Request Type CCR
Priority Routine [X] Urgent ☐ Emergency ☐	**Affected Release** B		**Change Class** IN

Title Move DLT4 tape drive from apache to blood   DLT4000 #00004972, apache #00004971
blood #00003517

Documents Affected	**Source Nos** (RID, NCR, Action Item, GSFC CCR, etc.) or **Tech Reference**
None.	N/A

RTM Change ☐   **Start New Baseline** ☐

Problem
The ClearCase Support Group must archive build deliveries from the disk storage on the machine blood onto tapes using 4mm and 8mm tape drives on the machine klingon. The size of the deliveries are constantly increasing to several gigabytes. The tape drives and the machine klingon currently being used to archive these deliveries are no longer suitable for such large archives. Also, when archiving deliveries, the cpu performance on the group's xterm server klingon where the tape drives are, and the network performance on the 120 subnet, are severely degraded, and lightly degraded on the 119 clearcase subnet. The group needs a faster and larger capacity tape drive and should be installed on blood where the data files to be archived reside on local disks to avoid network traffic.

Need Date: Tuesday May 26, 1998.

Proposed Solution
A DLT4 tape drive on apache gets little use; probably less than once a month. Since apache is a build platform for development that is heavily used, if the tape drive were used on a daily basis, it would significantly degrade the cpu performance on apache. This tape drive would be used on a daily basis by ClearCase support if it were on blood. Blood can handle the additional cpu load for daily use of a DLT4 tape drive. The proposed solution is to have RTSC move the DLT4 tape drive from apache to blood and then reboot both servers with 'boot -r'

I spoke to Bruce Clark and Randy Bollinger and they both felt it was ok to move the DLT4 tape drive from apache to blood.

Impact of not approving this CCR: The archival of data from disks on blood to tapes on klingon will continue to degrade network performance and cpu performance on klingon. A continued need for a larger capacity tape drive will result in a request to purchase a new tape drive instead of using existing equipment from apache.

Impact Analysis:
Organizations Affected:

BOO ☐	Contracts ☐	ECS Chief Eng ☐	FOS ☐	M&O ☐
Procurement ☐	QO ☐	Rel. Dev ☒	EDF [X]	Rel. C ☐	SCDO Arch. ☐
Science Off ☐	Security ☐	Subcontrct ☐	Sys. Eng ☒ RJB	Sys Verf Acpt ☐

Cost:	None [x]	Small ☐ (Not exceeding $100,000)	Medium ☐ ($100,000 to $500,000)	Large ☐ (Over $500,000)

Schedule: None [x]   Other

Additional LOC _____   Man-Months _____

Materials

Originator Alex Swab	Signature	Date 5/14/98 5/14/98
Office DEP Office Manager	Signature	Date 5/14/98 5/14/98

Disposition   Approved [✓]   Approved w/Comment ☐   Forward ☐   Disapproved ☐

Comments:

CCB Chairperson _____   Signature   Date 5/15/98

ORIGINAL   CM-NP